THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND THE MINISTER OF STATE IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, ELECTRONICS AND SPACE (SHRI K. R. NARAYANAN): (a) and (b) The Atomic Energy Commission has not taken over the Mehta Research Institute, Allahabad. The Department of Atomic Energy has, however, been assisting the Institute with grants over the last few years. The total number of scientific staff engaged in research work in the Institute is five. Even with this small team of researchers, the Institute has been active in many areas of mathematics, such as Combinatories, Graph Theory, Summability, Operator Theory and Control Theory. In most of these areas, original contributions have been made, papers published in reputed journals and lectures/seminars organised in the Institute. Many well-known mathematicians from India and abroad have visited the Institute and co-operated in research, apart from giving lectures on their specialised topics.

(c) The grant-in-aid released by Department of Atomic Energy during the last 2 years to Mehta Research Institute for R&D work in as follows:

1986-87	Rs. 12.00 lakhs
1987-88	Rs. 15.00 lakhs

Ocean development programme in the country

2035. SHRI BHAGATRAM MANHAR: Will *the* PRIME MINISTER be pleased to state;

(a) whether it is a fact that India has made substantial progress in the field of ocean development;

(b)*it* so, what is the progress made in this regard during the last 3 years;

(c) whether it is also a fact that Government are going to have tie ups with some foreign countries in the field of ocean development; and

(d) if so, what are the complete details thereof with the names of countries with which such tie-ups have been proposed or likely to be proposed?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND THE MINISTER OF STATE IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, ELECTRONICS AND SPACE. (SHRI K. R. NARAYANAN): (a) Yes, Sir.

(b) Considerable progress has been achieved in the exploration of both living and non-living resources of the Exclusive Economic Zone of India • and the deep seabed- during the last three years. As a result of these surveys, a mine site of 150 thousand sq. kilometres in the Central Indian Ocean has been allocated to India in August, 1987 by the U.N. Prepartory Commission of the International Seabed Authority, for further exploration and development. Moreover, the surveys have revealed the existence of mineral resources like ilmenitte, rutile, zircon, monazite, phosphorite, etc. Similarly, for living resources, new fishing grounds for prawns, deep sea lobsters, shellfish and squids have been located. India has so far sent seven expeditions to Antarctica and has gathered a wealth of information about the icy continent.

(c) No decision has yet been taken to have tie-ups with any foreign country in the field of ocean development.

(d) Does not arise.

Super computer XMP Cray-I4

2036. SHRIMATI VEENA VERMA: SHRI SHEO KUMAR MISHRA:

Will the PRIME MINISTER be pleased to state:

(a) by when the Super Computer XMP Cray-14" is expected to arrive in India from the United States and whether Government have completed necessary formalities to receive and operate the Computer; and

(b) whether the United States have asked for any safeguards for the Super Computer